

Supplementary information

Ocular conjunctival inoculation of SARS-CoV-2 can cause mild COVID-19 in rhesus macaques

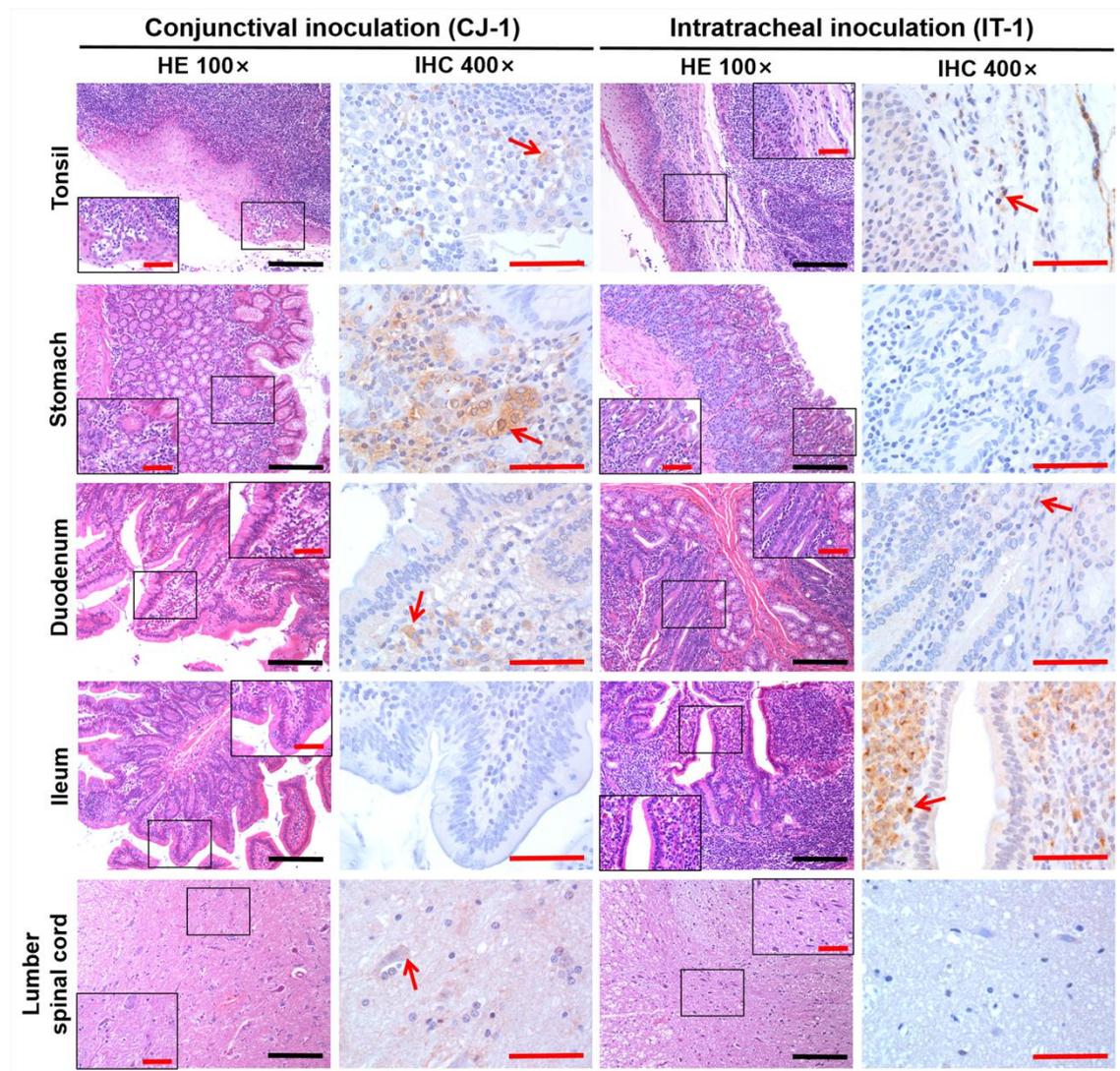
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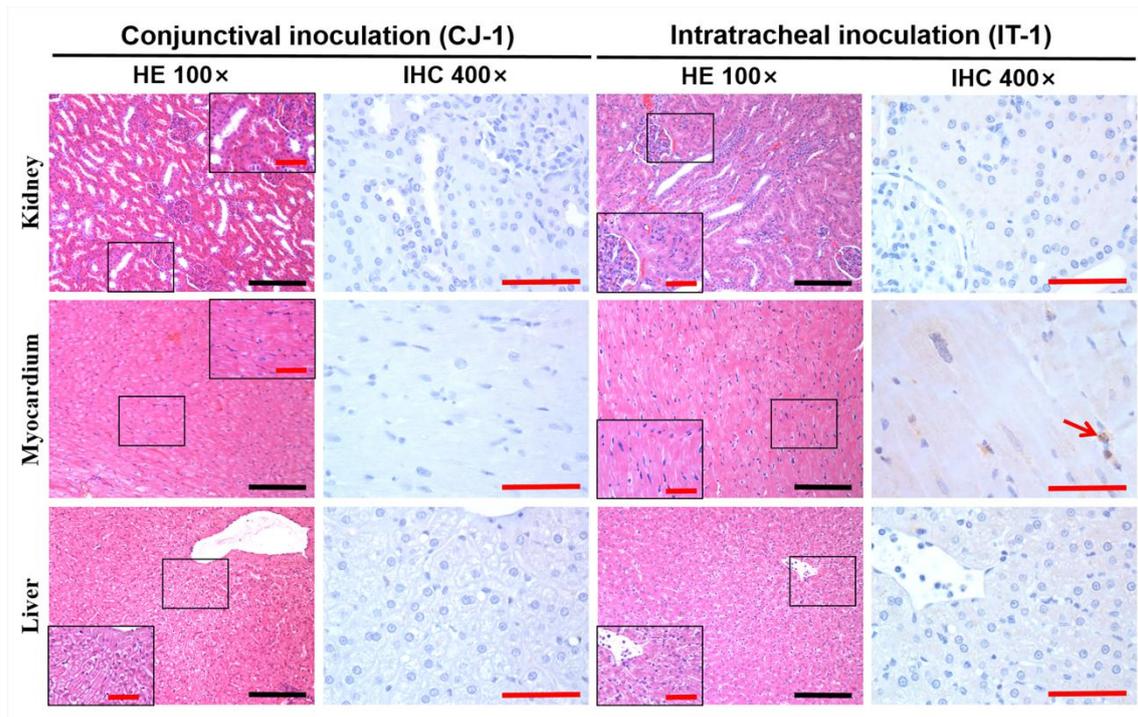
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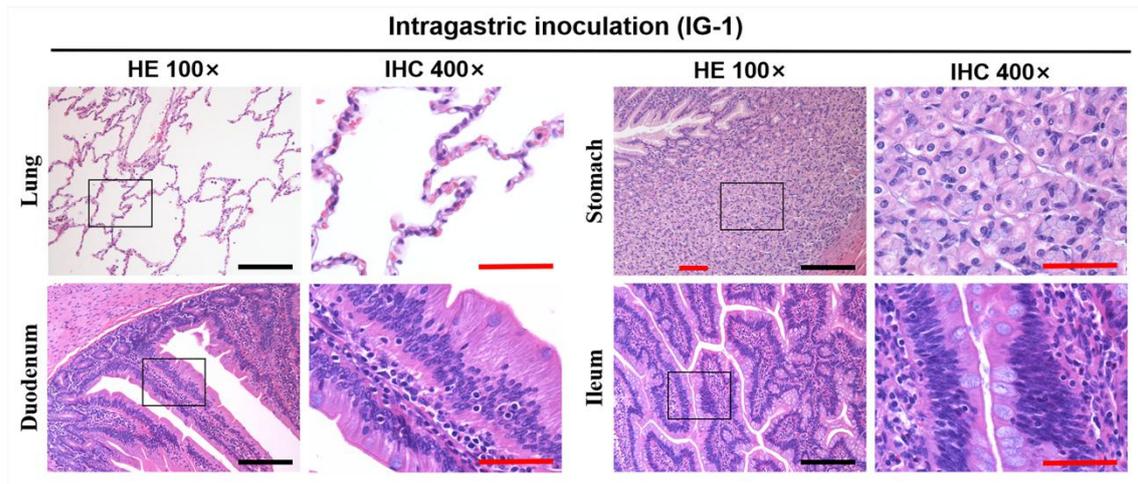
Supplementary Figure 1 Comparison of the viral distributions in the tonsil; alimentary tract, including the stomach, duodenum, and ileum; and lumbar spinal cord in CJ-1 and IT-1.

Sequential sections were stained by H&E and subjected to IHC. The fields in the H&E images outlined in black are magnified. The IHC images show the same field outlined in black at 400× magnification. Black scale bar = 100 μm, red scale bar = 50 μm. Data are representative of three independent experiments.



Supplementary Figure 2 Slight viral antigen staining was detected in the kidney, heart, and liver of IT-1, but the corresponding organs from CJ-1 were negative.

Sequential sections were stained by H&E and subjected to IHC. The fields in the H&E images outlined in black are magnified. The IHC images showed the same field outlined in black at 400× magnification. Black scale bar = 100 μm, red scale bar = 50 μm. Data are representative of three independent experiments.



Supplementary Figure 3 No substantial histopathological changes were observed in tissues collected from IG-1.

The lung, stomach, duodenum, and ileum were stained with H&E. H&E-stained sections are shown at 100 \times magnification and magnified at 400 \times magnification (black frame). Black scale bar = 100 μ m, red scale bar = 50 μ m. Data are representative of three independent experiments.

Supplementary Table 1 Viral distributions in IG-1

Tissue	IG-1 (Log ₁₀ RNA copies/mL)
Cerebellum	0
Cerebrum	0
Lacrimal gland	0
Optic nerve	0
Conjunctiva	0
Nasal mucosa	0
Nasal turbinate	0
Nostril	0
Nasal septum	0
Cheek pouch	0
Parotid gland	0
Cervical cord	0
Thoracic spinal cord	0
Lumber spinal cord	0
Epiglottis	0
Soft palate	0
Trachea	0
Pulmonary lymph node	0
Hilar lymph nodes	0
Lung-lower left	0
Lung-lower right	0
Lung-middle left	0
Lung-middle right	0
Lung-right accessory	0
Lung-upper left	0
Lung-upper right	0

Stomach	0
Pancreas	0
Duodenum	0
Jejunum	0
Ileum	0
Colon	0
Rectum	0
Caecum	0
Intestinal lymph nodes	0
Pararectal lymph nodes	0
Kidney	0
Epididymis	0
Testis	0
Bladder	0
Mandibular lymph node	0
Thymus	0
Lingual tonsil	0
Pharyngeal tonsil	0
Cervical lymph nodes	0
Axillary lymph nodes	0
Inguinal lymph nodes	0
Spleen	0
Heart	0
Liver	0
Brown adipose tissue	0
